

AC 44608(1) SCARBOROUGH

Borough of



Scarborough.

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# ANNUAL REPORT

ON THE

Health, Sanitary Condition, &c., of  
the Borough of Scarborough  
for the Year 1924.

BY

STANLEY FOX LINTON,

M.D., M.Sc., D.P.H., F.R.Met.Soc.

Medical Officer of Health.

School Medical Officer.

Medical Superintendent of the Corporation  
Sanatorium and Small Pox Hospital.

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HEALTH OFFICE,

KING STREET, SCARBOROUGH,

*May, 1925.*

*To the Mayor and Town Council of the Borough of Scarborough.*

MR. MAYOR, LADIES AND GENTLEMEN,

I beg to present to you my Annual Report for the year 1924. It is an Ordinary Report—*i.e.*, it is simple and abbreviated in character as compared with the full and detailed Reports known as Survey Reports, which are required at intervals of not more than 5 years.

The following matters referred to in the body of the Report may be more particularly mentioned here :—

My estimate of the population of the Borough at the middle of 1921 was 42,000. Since that date 277 new houses have been completed and occupied in the Town. Estimating the number of occupants of these houses to be 1,160, we get a total of 43,160. This I take to be the population of the Town at the end of 1924.

Mortality and birth statistics based on this figure will, of course, differ greatly from those given by the Registrar-General, who estimates our population to be 38,010. For example, the death rate given in this report is 12.6; according to the Registrar-General it should be 14.4.

BIRTH RATE.

It will be noticed that our birth rate is very low in comparison with the rates for England and Wales and for the group of smaller towns, which are themselves the lowest recorded except during the war years, 1917-1919. The figures are: Scarborough, 14.7; England and Wales, 18.8; smaller towns, 18.9. If the birth rate were calculated upon the number of women of child-bearing age, this disparity would doubtless be considerably less.

DEATH RATE.

The death rate from all causes in Scarborough was 12.6 per 1,000 living. In England and Wales it was 12.2, and in the group of 157 smaller towns of population 20,000 to 50,000 it was 11.2. Our death rate, it will be seen, is higher than either. If allowance were made for the somewhat unfavourable

sex and age constitution of our population, our true death rate would not compare to such disadvantage with the death rates for the country as a whole and for other small towns.

#### INFANT MORTALITY.

The infantile mortality was the lowest recorded, and compares exceedingly well with the figures for the country as a whole, and for the group of smaller towns. The Diarrhoea death rate under two years old per 1,000 births was also very low. The figures are as follows:—

					Deaths under 1 year per 1,000 births.	Diarrhoea Deaths under 2 years per 1,000 births.
England and Wales	...	...	...	...	75	7.3
157 Smaller Towns	...	...	...	...	71	9.2
Scarborough	...	...	...	...	57	1.6

This improving state of affairs should be recognised as being mainly due to all the good work done in recent years by the Health Visitors and the Maternity and Child Welfare Centre. When it is remembered that a fall in mortality represents a much greater diminution in the amount of infantile sickness and suffering and resulting permanent physical injury, it will be realised that the return is out of all proportion to the expenditure involved.

#### TUBERCULOSIS.

The death rate from Tuberculosis (all forms) and from Pulmonary Tuberculosis were almost exactly the same as the average for the previous five years.

#### CANCER.

The mortality from Cancer was low compared with the previous five years' average, the figures being 1.2 and 1.6 per 1,000 respectively. For England and Wales the figure was 1.267, the ~~lowest~~ <sup>highest</sup> so far recorded.

#### INFECTIOUS DISEASES.

The number of cases of Scarlet Fever notified was 108, which is rather above the average.

The number of cases of Diphtheria notified was 17; this is considerably less than the average.

During the third quarter of the year there was a small outbreak of Paratyphoid B in the town. Twenty-two cases occurred, including three which were imported. Exhaustive investigations failed to reveal the source of these cases. Some other towns had a similar experience.





Later in the year there was a small outbreak of Smallpox in the East Ward. The source of this was probably a girl aged 12, who came to the town for a holiday and developed the rash of Smallpox two days later. She was not confined to the house, and remained in Scarborough for a fortnight before returning home.

#### DISTRICT NURSING.

Attention is drawn to the fact that the District Nurses nursed 599 patients in their homes, to whom they paid 16,354 visits. Taking the work for which the Corporation makes grants of £30 per annum for Nursing and £200 per annum for Midwives, we get the following figures:—

Patients nursed, 23 ; visits paid, 1,132.

Confinements attended, 158; visits paid, 2,972.

#### PRIVIES.

The number of conversions into water closets during the year was 165. Last year's improvement in this matter has thus been maintained, but there are still left nearly 1,000 houses with privies only. To this number must be added an unknown number existing on premises which have also water closets. Unrelaxed effort is needed if the last privy in the town is to be abolished at an early date.

#### HOUSING.

Since the war 277 houses have been built—1 in 1920, 42 in 1921, 11 in 1922, 42 in 1923, and 182 in 1924. Fifty-five of the houses built in 1924 were part of the Municipal Housing Scheme. The erection of the tenement houses under the East Mount Improvement Scheme was begun during the year, and has since made good progress. Altogether, more was done last year to overtake the housing shortage than in all the previous post-war years taken together.

An area of nearly  $4\frac{1}{2}$  acres in extent, including Cross Street and Dumble Street, was officially represented as an unhealthy area by the Medical Officer of Health in January, 1924. No effective progress has been made towards dealing with this area.

Repairs were carried out in 565 houses in consequence of informal action by the Inspector, or under the Public Health and Rent Restriction Acts.

#### STAFF.

The following changes in the Staff of the Health Department took place during the year:—

On September 8th, after 15 years' service, Colonel Tatham resigned his appointment as Assistant Medical Officer of Health. He was succeeded on

the 7th October by Dr. Anne Roxburgh, whose appointment is half-time instead of full-time.

On 15th November Miss Cain resigned her post as Matron of the Sanatorium after 11 years' faithful and often arduous and anxious service. She was succeeded by Mrs. Crosby, previously Deputy Matron at Halifax Isolation Hospital.

On 16th December Miss Swallow resigned her appointment as Health Visitor, which she had held since 1st May, 1923. Her place was filled by Nurse Beeforth, previously Sister and Deputy Matron at the Scarborough Hospital and Dispensary.

The vacancy caused at the end of 1923 by the promotion of Mr. Gregory to be Chief Sanitary Inspector was not filled. Instead, a pupil was appointed at a nominal salary to drive the Motor Ambulance and assist in the work of the Department.

I have the honour to be,

Your obedient Servant,

S. FOX LINTON,

*Medical Officer of Health.*





BOROUGH OF SCARBOROUGH.

# ANNUAL REPORT.

## 1.—GENERAL STATISTICS.

Area (Land and Inland Water), Acres ...	...	...	...	...	...	2,727
Population (1924) ...	...	...	...	...	...	43,160
Number of Inhabited Houses (1921) ...	...	...	...	...	...	8,577
Number of Families or Separate Occupiers (1921) ...	...	...	...	...	...	8,689
Rateable Value ...	...	...	...	...	...	£283,860
Sum represented by a Penny Rate ...	...	...	...	...	...	£1,044

							Average		
							5 Years, 1919-1923.		1924.
Birth Rate	...	...	...	...	...	...	16.01	...	14.7
Death Rate (crude)			...	...	...	...	13.26	...	12.6
Tuberculosis (all forms) Death Rate	...	...	...	...	...	...	1.10	...	1.0
Pulmonary Tuberculosis Death Rate	...	...	...	...	...	...	0.86	...	0.86
Other Respiratory Diseases Death Rate	...	...	...	...	...	...	1.62	...	2.2
Cancer Death Rate	...	...	...	...	...	...	1.60	...	1.2
Infantile Mortality (per 1,000 Births)	...	...	...	...	...	...	70	...	57
Diarrhoea and Enteritis (under 2 years) Death Rate per									
1,000 Births	...	...	...	...	...	...	9.2	...	1.6

BIRTH-RATE, DEATH-RATE AND ANALYSIS OF MORTALITY DURING THE YEAR 1924.

(Provisional figures. The rates for England and Wales have been calculated on a population estimated to the middle of 1924, while those for the towns have been calculated on populations estimated to the middle of 1923. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns).

	BIRTH-RATE PER 1,000 TOTAL POPULATION.	ANNUAL DEATH-RATE PER 1,000 POPULATION.										RATE PER 1000 BIRTHS.		PERCENTAGE OF TOTAL DEATHS.		
		All Causes.	Enteric Fever.	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Influenza.	Violence.	Diarrhoea and Enteritis under Two years.	Total Deaths under One year.	Causes of Death Certified by Registered Medical Practitioners.	Inquest Cases.	Uncertified Causes of Death.	
England and Wales .....	18.8	12.2	0.01	0.00	0.12	0.02	0.10	0.06	0.49	0.44	7.3	75	92.3	6.6	1.1	
105 County Boroughs and Great Towns, including London .....	19.4	12.3	0.01	0.00	0.18	0.03	0.12	0.08	0.45	0.40	9.2	80	92.5	6.9	0.6	
157 Smaller Towns (1921) Adjusted Populations 20,000-50,000 .....	18.9	11.2	0.01	0.00	0.08	0.02	0.09	0.06	0.50	0.36	6.2	71	93.3	5.5	1.2	
London .....	18.7	12.1	0.01	—	0.29	0.03	0.11	0.12	0.36	0.44	8.4	69	91.3	8.6	0.1	
Scarborough .....	14.7	12.6	0.09	0.00	0.00	0.00	0.14	0.02	0.88	0.28	1.6	57	91.6	8.4	0.0	

In the Annual Report of the Medical Officer of Health for 1921 the question of population was referred to in the following terms:—

“There are no means by which the present population of the town can be accurately estimated. The 1921 Census figure, 46,192, is obviously too high, while the Registrar-General's estimate, 37,530, is as obviously too low. The old figure for the average number of persons per inhabited house is no longer of any use owing to the crowding resulting from the shortage of houses, and to the conversion of a considerable number of houses into flats. But taking this figure (4.06), and multiplying the number of inhabited houses (9,544) by it, one gets a population of 38,748. The actual population must be a good deal more than this, and, on the other hand, must be a good deal less than the Census figure of 46,192, which, of course, included a considerable number of visitors. If one takes a round figure about mid-way between these two—namely, 42,000—one is probably not far from the mark, and this appears to be the best that can be done.”

On this basis, the number of persons per inhabited house at that time was estimated at 4.19, in place of the old figure, 4.06, an increase which seems not improbable in view of the shortage of houses.

Since the date of the 1921 Census 277 new houses have been completed and occupied in the town. Allowing 4.19 persons to each of these houses, and adding the figure so obtained to the 1921 population as estimated above, we get  $42,000 + 1,160$ , or a total of 43,160. This I take to be the population of the town at the end of 1924.

Mortality and birth statistics based on this figure will, of course, differ greatly from those of the Registrar-General, who estimates the population of the town at 38,010. For example, the death rate given in this Report is 12.6; according to the Registrar-General it should be 14.4.



2.—EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

			Total.	M.	F.	Birth Rate.
Births (legitimate) ...	...	...	591	295	296	14.7
(illegitimate) ...	...	...	42	25	17	
Deaths ...	...	...	545	248	297	Death Rate. 12.6

Number of women dying in or in consequence of childbirth :—

From Sepsis ...	...	...	0
From other causes ...	...	...	3

Deaths of Infants under one year of age per 1,000 births :—

Legitimate, 56 ; illegitimate, 71 ; total, 57.

Deaths from Measles (all ages) ...	...	0
„ Whooping Cough (all ages) ...	...	6
„ Diarrhoea (under 2 years of age) ...	...	1

The total number of Deaths occurring in the Borough was 582. From this must be deducted 60 deaths of non-residents, while 23 deaths of residents occurring elsewhere must be added to it.

BIRTHS IN QUARTERS, 1924.

Quarters.	Total.			Illegitimate.		
	M.	F.	Total.	M.	F.	Total.
First ...	91	88	179	7	4	11
Second .	77	72	149	5	6	11
Third ...	73	88	161	6	6	12
Fourth ...	79	65	144	7	1	8
Total ...	320	313	633	25	17	42

WARD DISTRIBUTION OF TOTAL BIRTHS.

Town.	N.W.	N.	C.	E.	W.	S.
633	139	104	78	128	126	58

## CAUSES OF, AND AGES AT DEATH DURING THE YEAR 1924.

CAUSES OF DEATH.	NETT DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE DISTRICT.									TOTAL DEATHS WHETHER OF "RESIDENTS" OR "NON-RESIDENTS" IN INSTITUTIONS IN THE DISTRICT.			REGISTRAR GENERAL'S FIGURES. CIVILIANS ONLY.	
	All Ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 years and upwards.		M.	F.	M.	F.
Enteric Fever .....	4	...	...	...	1	1	2	...	...	...	1	3	1	3
Small-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough .....	6	4	1	1	...	...	...	...	...	1	4	2	4	2
Diphtheria .....	1	...	...	1	...	...	...	...	...	...	...	1	...	1
Influenza.....	38	2	...	...	...	...	4	10	22	8	20	18	20	18
Encephalitis lethargica.....	2	...	...	...	...	1	...	1	...	1	1	1	1	2
Meningococcal meningitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis of respiratory system...	37	...	...	...	...	5	22	7	3	5	27	10	25	10
Other tuberculous diseases .....	7	1	1	2	...	3	...	...	...	1	3	4	3	6
Cancer, malignant disease...	51	...	...	...	...	...	5	21	25	8	18	33	17	34
Rheumatic fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes.....	7	...	...	...	...	...	...	3	4	...	3	4	3	4
Cerebral hæmorrhage, &c. ....	44	...	...	...	...	...	1	11	32	14	19	25	21	26
Heart disease.....	71	...	...	...	...	...	6	19	46	14	35	36	35	45
Arterio-sclerosis.....	32	...	...	...	...	...	...	5	27	1	6	26	9	25
Bronchitis ..	56	5	...	...	...	...	2	6	43	12	21	35	17	28
Pneumonia (all forms) .....	35	2	9	1	...	...	4	3	16	8	14	21	15	19
Other respiratory diseases ..	4	...	...	...	...	...	...	2	2	1	2	2	4	1
Ulcer of stomach or duodenum .....	1	...	...	...	...	...	1	...	...	1	1	...	1	...
Diarrhœa, &c. (under 2 years) .....	1	1	...	...	...	...	...	...	...	...	1	...	1	...
Appendicitis and typhlitis ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of liver ...	2	...	...	...	...	...	...	1	1	1	1	1	1	...
Acute and chronic nephritis.....	21	...	...	...	...	...	3	6	12	3	7	14	6	14
Puerperal sepsis.....	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Other accidents and diseases of preg- nancy and parturition .....	3	...	...	...	...	1	2	...	...	1	...	3	...	3
Congenital debility and malforma- tion, premature birth .....	16	16	...	...	...	...	...	...	...	4	10	6	10	5
Suicide .....	2	...	...	...	...	...	1	1	...	1	1	1	1	1
Other deaths from violence.....	10	1	...	2	...	...	2	1	4	3	5	5	3	4
Other defined diseases .....	91	4	2	2	...	...	7	20	56	32	47	44	45	53
Causes ill-defined or unknown .....	3	...	...	...	...	1	1	1	...	3	1	2	1	...
Totals... ..	545	36	13	9	1	12	63	118	293	123	248	297	244	305

INFANT MORTALITY DURING THE YEAR 1924.  
NETT DEATHS FROM STATED CAUSES AT VARIOUS AGES UNDER 1 YEAR OF AGE.

Cause of Death.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.
All Causes { Certified .....	11	2	...	2	15	7	3	5	6	36
Uncertified ..	...	...	...	...	...	...	...	...	...	...
Enteric Fever .....	...	...	..	...	...	...	...	...	...	...
Small-pox .....	...	...	..	...	...	..	...	...	...	..
Chicken-pox .....	...	...	..	..	...	...	...	...	...	...
Measles .....	...	...	...	...	...	..	...	...	...	...
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...
Whooping Cough .....	...	...	...	...	...	1	...	2	1	4
Diphtheria and Croup .....	...	...	...	...	...	...	...	...	...	...
Erysipelas .....	...	...	...	..	...	...	...	...	...	...
Tuberculous Meningitis.....	...	...	...	...	..	...	...	...	1	1
Abdominal Tuberculosis .....	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases.....	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous) ...	...	...	...	..	...	...	...	1	...	1
Convulsions.....	1	...	..	...	1	1	...	...	...	2
Laryngitis .....	...	...	..	...	...	...	..	...	...	...
Bronchitis .....	...	...	...	...	...	2	1	1	1	5
Pneumonia (all forms) .....	...	...	...	...	...	...	...	1	1	2
Diarrhoea.....	...	..	...	...	...	...	...	...	...	...
Enteritis .....	..	...	...	..	...	...	...	..	1	1
Gastritis .....	...	...	...	...	...	...	...	...	...	...
Syphilis .....	...	...	...	...	...	...	...	...	..	...
Rickets.....	...	...	...	...	...	...	...	...	...	...
Suffocation, Overlying .....	...	...	...	...	...	1	...	...	...	1
Injury at Birth .....	...	...	...	..	...	...	...	...	...	...
Atelectasis .....	1	...	...	...	1	...	...	...	...	1
Congenital Malformations.....	2	...	...	...	2	...	...	...	..	2
Premature Birth.....	6	2	...	1	9	...	...	...	...	9
Atrophy, Debility and Marasmus .....	1	...	...	1	2	1	1	...	...	4
Other causes .....	...	...	...	...	...	1	1	...	1	3
Totals.....	11	2	...	2	15	7	3	5	6	36



## AGE INCIDENCE OF RESIDENTS' DEATHS.

Quarter.	All Ages.		Under 1 year.		1 to 5 years.		5 to 15 years.		15 to 25 years.		25 to 45 years.		45 to 65 years.		Over 65 years.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
First.....	70	96	9	4	2	6	...	...	1	2	11	7	10	10	37	67
Second ..	65	93	4	3	5	3	...	1	2	1	10	7	14	28	30	50
Third .....	45	46	6	1	1	2	...	..	1	3	7	5	12	11	18	24
Fourth...	62	68	5	4	...	3	...	..	1	1	10	6	19	14	27	40
Total .....	242	303	24	12	8	14	...	1	5	7	38	25	55	63	112	181
	545		36		22		1		12		63		118		293	

## WARD DISTRIBUTION OF RESIDENTS' DEATHS.

Age Period.	Town.	N.W.	N.	C.	E.	W.	S.
Under 1 year .....	36	6	6	6	8	7	3
1 to 5 years ..	22	4	2	5	7	4	...
5 to 15 years .....	1	...	...	...	...	...	1
15 to 25 years .....	12	1	3	3	2	2	1
25 to 45 years .....	63	20	11	12	8	8	4
45 to 65 years .....	118	32	23	17	11	24	11
Over 65 years .....	293	86	45	31	37	48	46
All ages.....	545	149	90	74	73	93	66

## DEATHS IN PUBLIC INSTITUTIONS.

During the year 123 deaths of residents and non-residents occurred in Public Institutions in the Borough, representing 21 per cent. of the total number.

## INQUESTS.

The Borough Coroner held 56 Inquests during the year, including 10 on visitors.

Age at Death.				Causes of Death.			
Under 1 year	...	...	2	Accident	...	...	11
1 and under 5 years	...	...	2	Suicide	...	...	3
5 ,, ,, 15 ,,	...	...	1	Heart Disease and Heart			
15 ,, ,, 25 ,,	...	...	3	Failure	...	...	24
25 ,, ,, 65 ,,	...	...	23	Cerebral Hæmorrhage	...	...	9
65 years and upwards	...	...	25	Other Causes	...	...	9
			56				56

The following were the certified causes of the 2 infantile deaths :—

1. Syncope, the result of a cold and malnutrition.
2. Accidental suffocation.

#### MARRIAGES.

The number of Marriages in Scarborough during the year was 363, equivalent to a rate of 16.8 persons married per 1,000 of the population at all ages.

The rate for England and Wales was 15.3.

## 3.—NOTIFIABLE DISEASES DURING THE YEAR.

DISEASE.	Total cases notified.	Cases admitted to Hospital.	Total Deaths.
Small-pox .....	17	16	..
Chicken-pox .....	10	...	...
Scarlet Fever .....	108	72	...
Diphtheria .....	18	17	1
Enteric Fever (including Paratyphoid) .....	24	13	4
Encephalitis Lethargica .....	6	2	2
Acute Poliomyelitis .....	2	...	..
Erysipelas .. .....	3	...	...
Dysentery .....	1	...	...
Puerperal Fever.....	1	...	...
Primary Pneumonia .....	22	...	14
Influenzal       ,,       ..	35	...	18
Total... .	247	120	39

## TUBERCULOSIS.

AGE-PERIODS.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0	...	...	...	1	...	...	...	1
1	...	...	...	3	...	...	...	3
5	...	..	...	...	...	...	...	...
10	...	...	1	...	...	...	...	...
15	..	...	...	1	1	1	...	1
20	1	4	..	...	1	2	1	1
25	4	3	1	1	8	3	..	...
35	6	3	1	...	8	3	...	..
45	1	3	...	...	3	...	...	...
55	2	...	...	...	3	1	...	...
65	1	...	...	...	3	...	...	...
	15	13	3	6	27	10	1	6

## OPHTHALMIA NEONATORUM.

Cases.			Vision unimpaired.	Vision Impaired.	Total Blindness.	Deaths
Notified.	Treated.					
	At Home.	In Hospital.				
9	6	0	6	0	0	0



The number of cases of Scarlet Fever notified was 108. Included in this total, which rather exceeds the average of just over 90, were 27 cases which occurred in one of the private schools in the town. The cases were isolated as follows:—72 at the Sanatorium, 24 at the above-mentioned School, and 12 in their own homes.

The number of cases of Diphtheria notified was 16. The average before the post-war epidemic years was 25.

No deaths occurred from Scarlet Fever or Diphtheria.

Twenty-four cases of Enteric Fever were notified during the year, twenty-two of which occurred between the beginning of July and the middle of November. There were three deaths.

Exhaustive investigations failed to reveal the source or sources of these cases. They were not associated with a particular milk supply, nor were they confined to one part of the town. At one stage suspicion seemed to rest upon a confectionery business, but examination of the staff did not discover a carrier, and later cases had no connection with this business. It seemed possible that imported cherries might be the cause, and samples were examined for evidence of contamination. The result was negative; moreover, later cases could not be associated with this possible source. The origin of the outbreak remains a mystery, and it may be added that Scarborough was not the only district to have such an experience.

Details of the cases are given in the following Table, from which it will be seen that the outbreak was one of Paratyphoid B, and that all the patients except two were women and children.

No.	Sex.	Age.	Ward.	Date of Sickening.	Widal Test.*			Remarks.
					Typhoid.	Para, typhoid.	Para-typhoid B.	
1	F	56	W.	Feb. 27	not examined			
2	F	10	N.W.	May 7	not examined			Died
3	F	40	N.W.	July 6	neg.	neg.	1250	
4	M	6	S.	" 8	"	"	2500	
5	F	47	N.	" 17	"	"	2500	
6	M	38	N.W.	" 21	"	"	2500	Died
7	F	25	C.	" 28	2500	"	2500	
8	F	12	N.W.	Aug. 1	neg.	"	2500	
9	F	4	N.W.	" 1	"	"	2500	
10	F	7	C.	" 2	"	"	1250	
11	F	20	E.	" 3	500	"	1250	
12	F	20	C.	" 8	neg.	"	1250	
13	F	21		" 10	"	"	250	Imported Case
14	M	44		" 13	"	"	1500	" "
15	F	77	S.	" 14	"	"	1500	
16	F	26	S.	" 20	"	"	2000	
17	F	22	S.	" 24	"	"	250	Died
18	M	10	N.	Sep. 20	"	"	500	
19	F	30		" 22	not examined			Imported Case
20	F	49	C.	Oct. 10	neg.	neg.	500	
21	M	5	N.	" 21	"	"	2500	Brothers
22	M	3	N.	" 26	not examined			
23	F	40	N.	" 29	neg.	neg.	neg.	(?) diagnosis
24	F	45	S.	Nov. 10	"	"	125	

\* The figures in these columns are the dilutions in which positive results were obtained. In a few cases the top limits were not reached.

In the last quarter of the year there was a small outbreak of Smallpox in the East Ward. The source of this was probably a girl aged 12 who came to the town for a holiday on August 16th, and developed the rash of Smallpox on August 18th. She received treatment at a chemist's shop, and remained in Scarborough for a further 12 days before returning home, being out and about all the time. The first case to occur here sickened on Sept. 11th, and she infected her mother and two young brothers. The presence of the disease was only discovered through one of the latter visiting the School Clinic on October 10th.

Seventeen cases occurred, all in the East Ward. Their ages and vaccinal condition were as follows:—

Patient.		Age.		Vaccinal Condition.
No. 1	...	52 years	...	Vaccinated in infancy.
„ 2	...	15 „	...	Unvaccinated.
„ 3	...	12 „	...	„
„ 4	...	9 „	...	„
„ 5	...	9 „	...	„
„ 6	...	7 „	...	„
„ 7	...	8 „	...	„
„ 8	...	23 „	...	„
„ 9	...	22 „	...	„
„ 10	...	15 „	...	„
„ 11	...	10 „	...	„
„ 12	...	7 „	...	„
„ 13	...	1½ „	...	„
„ 14	...	17 „	...	„
„ 15	...	7 months	...	„
„ 16	...	2 „	...	„
„ 17	...	30 years	...	„

The Vaccination Officer's figures for 1924 are as follows:—

Births.	Died.	Successfully Vaccinated.	Insusceptible.	Exempted.	Removals.
670	33	202	3	429	3

Successful Vaccinations are 30 per cent. and exemptions 64 per cent. of the whole.

The death rate from Tuberculosis was almost exactly the same as the average for the previous five years. The number of deaths was 44—

37 pulmonary and 7 non-pulmonary. The number of fresh cases notified was less than in the previous year.

There was a sharp rise in the number of notifications of Pneumonia, largely due to the prevalence of Influenza during the Spring.

#### 4.—CAUSES OF SICKNESS.

The only specially noteworthy causes of sickness during the year were Influenza and Non-tubercular Respiratory Diseases. Sickness rates cannot be given, but the numbers of deaths from these conditions in 1923 and 1924 were as follows :—

Year.	Deaths from	
	Influenza.	Non-tuberculous Respiratory Diseases.
1923.....	12	74
1924.....	38	95

The death rate from Cancer was 1.2 per 1,000. The average for the previous five years was 1.6. In England and Wales in 1924 it was 1.267.

#### 5.—SUMMARY OF NURSING ARRANGEMENTS, HOSPITALS AND OTHER INSTITUTIONS AVAILABLE FOR THE DISTRICT.

##### PROFESSIONAL NURSING IN THE HOME.

(a) General.

(b) For Measles, Ophthalmia Neonatorum, Tuberculosis and Influenzal Pneumonia.

Nursing under both these heads is provided by the Scarborough District Nursing Association, to which in respect of (b) the Corporation contributes annually the sum of £30.

(a) Patients nursed	...	...	...	...	...	599
Visits paid	...	...	...	...	...	16,354
						Patients Nursed. Visits paid.
(b) Tuberculosis	...	...	...	18	...	990
Ophthalmia Neonatorum	...	...	...	3	...	119
Influenzal Pneumonia	...	...	...	—	...	—
Measles	...	...	...	2	...	23
				Totals	...	23 1,132



# VENEREAL DISEASE CLINIC.

	Patients under treatment, Jan, 1st, 1924.	New Patients during 1924.	Total.
Syphilis.....	30	33	63
Soft Chancre .....	...	1	1
Gonorrhoea ..	9	37	46
Non Venereal.....	...	55	55
Total .....	39	126	165

Total attendances of Patients, including irrigations ... 2,134.

## MIDWIVES.

The District Nursing Association maintains two Midwives, and towards their cost receives from the Corporation the sum of £200 annually. Including these two, there were 11 trained and 3 untrained Midwives practising in the town during the year.

The number of Confinements attended in 1924 by the two D.N.A. Midwives was 158, and the number of visits paid to them 2,972.

## CLINICS AND TREATMENT CENTRES.

	SITUATION.	NATURE OF ACCOMMODATION.	BY WHOM PROVIDED.
Maternity and Child Welfare Centres ...	Corporation Premises, King Street ..	Room for Consultations, &c. Waiting Room. Room for sale of Food ..	Scarborough Corporation
Day Nurseries ...	(1) Nursery School, Seamer Road ... (2) Nursery Class, Friarage School...	A large house and garden ...	Scarborough Corporation "
School Clinics ...	Corporation Premises, King Street (Ground Floor) ...	School Class Room Waiting Room. General Treatment Room. Dental Room ...	Scarborough Corporation
Tuberculosis Dispensary... ..	Scarborough Hospital and Dispensary Out-Patient Department ...	Two Rooms in new Out-Patient Department ...	Yorks. N.R. County Council
Venereal Disease Clinics ... ..	Scarborough Hospital and Dispensary Out-Patient Department ...	Rooms in new Out-Patient Department ...	Yorks. N.R. County Council

Regarding the use made of some of these services, the following figures may be given :—

#### MATERNITY AND CHILD WELFARE CENTRES.

Number of Births	...	...	...	...	...	...	663
„ „ notified	...	...	...	...	...	...	581
Percentage of Births notified	...	...	...	...	...	...	88%
Number of Visits to Infants	...	...	...	...	...	...	510
Total number of Visits to Infants and Children	...	...	...	...	...	...	1,677
Number of Visits as Infant Protection Visitor	...	...	...	...	...	...	55
Number of Attendances of Infants and Children at Infant Welfare Centre	...	...	...	...	...	...	4,137
Number of Cases treated at Centres for Minor Ailments	...	...	...	...	...	...	221

#### TUBERCULOSIS DISPENSARY.

Number of Patients attending	...	...	...	...	108
„ „ New Patients	...	...	...	...	51
Total Number of Attendances	...	...	...	...	602

#### VENEREAL DISEASE CLINICS.

Number of Patients attending	...	...	...	...	<del>177</del> 165
„ „ New Patients	...	...	...	...	<del>118</del> 126
Total Number of Attendances	...	...	...	...	2,134

#### HOSPITALS PROVIDED OR SUBSIDISED BY THE LOCAL AUTHORITY OR BY THE COUNTY COUNCIL.

- (1) Tuberculosis.—A Ward at the Scarborough Isolation Hospital is used for early cases of Tuberculosis, chiefly women and children.
- (2) Maternity.—A bed for cases recommended from the Maternity and Child Welfare Clinic is subsidised by the Corporation at Dybdale Nursing Home, Avenue Victoria, at a cost of £5 per annum, and £4 4s. per week when occupied.
- (3) Children.—Nil.
- (4) Fever.—The Corporation Isolation Hospital is situated in Newby Lane, outside the Borough. It consists of an administrative block, a laundry block containing disinfecting chambers, mortuary, etc., a porter's lodge and discharge rooms, and wards for Scarlet Fever (14 beds), Diphtheria (10 beds) and observation (2 beds.) There is also the building referred to under (1).

- (5) Smallpox.—The Scarborough Smallpox Hospital is situated about  $1\frac{1}{2}$  miles north of the town, outside the Borough boundary. It consists of two buildings, one containing wards for 12 beds, and the other accommodation for Staff and, if necessary, contacts.

The following figures show the extent to which the above Hospitals were used during the year :—

- (1) See below under (4).  
 (2) The number of Patients who made use of the bed during 1924 was 13.  
 (4) Isolation Hospital.

The total number of admissions was 118, including 12 for Tuberculosis. Details are given in the following Table :—

Disease.	Number of Admissions.	Deaths.	Percentage Case Mortality.	Average Stay in Days.
Scarlet Fever.....	69	...	..	
Diphtheria .....	16	1	6	
Enteric Fever.....	12	1	8	
Encephalitis Lethargica . . . . .	2	1	50	
Whooping Cough .....	1	...	...	
Bronchitis .....(a)	2	...	...	
Influenzal Pneumonia .....(b)	1	1	...	
Tonsillitis .....(c)	2	...	...	
Pneumonia.....(d)	1	...	...	
Total.....	106	4		
Tuberculosis . . . . .	12			
Total.....	118			

- (a) Admitted as Scarlet Fever.  
 (b) Admitted as Enteric Fever.  
 (c) Admitted as Scarlet Fever and Diphtheria respectively.  
 (d) Admitted as (?) Scarlet Fever.
- (5) Sixteen cases of Smallpox of the prevailing mild type were admitted to the Smallpox Hospital during the last quarter of the year. Reference has already been made to these cases.
- (6) Other Hospitals. The Scarborough Hospital and Dispensary serves the town and surrounding districts. It contains 70 beds, and is supported entirely by endowment funds and voluntary donations and subscriptions.



## INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE INFANTS AND HOMELESS CHILDREN IN THE BOROUGH.

The St. Mary's Rescue Home, 21, Albemarle Crescent, provides accommodation for unmarried mothers and their infants before and after the birth of the child. The number of expectant and nursing mothers in residence during the year was 13, including one married woman. Two homeless children under 5 were also in residence.

### AMBULANCE FACILITIES.

- (a) For infectious cases: A motor ambulance is provided by the Corporation.
- (b) For non-infectious and accident cases: A motor ambulance is provided by the Corporation, and is in charge of the police.

## 6.—LABORATORY WORK.

The following examinations were carried out at the Health Office :—

	Pos.	Neg.	Total.
Throat and Nose Swabs for Diphtheria ...	48	312	360

The following examinations were carried out at the North Riding Laboratory of Pathology and Public Health :—

Water—Bacteriological Analysis ...	...	...	15
Cherries—for evidence of sewage-derived bacteria ...	...	...	4
Raisins                   ,,                   ,,                   ,, ...	...	...	2
Sultanas                 ,,                 ,,                 ,, ...	...	...	2
Fæces and Urine—for typhoid and para typhoid bacilli ...	...	...	20
Blood—Widal Tests ...	...	...	9
C.S. Fluid—for meningococci ...	...	...	1
Hair—for ringworm ...	...	...	3
			—
	Total ...		56
			—

## 7.—SANITARY ADMINISTRATION.

The following is a list of Local Acts and Adoptive Acts in force in the district :—

### LOCAL ACTS.

- (1) The Scarborough Improvement Act, 1889.
- (2) The Scarborough Order, 1897.
- (3) The Scarborough Corporation Act, 1900.

Under (1) the Corporation has power to require re-pavement of yards, etc., the ventilation of soilpipes, and the provision of proper water-closet flushing cisterns, and of water-closets and urinals in Common Lodging Houses and Public Houses.

Under (2) powers similar to those under Section 36 of the Public Health Act are given.

Under (3) the Corporation can deal with a single private drain from two or more houses belonging to the same owner in the same way as if the houses belonged to different owners.

#### ADOPTIVE ACTS.

The Infectious Diseases (Prevention) Act, 1890 (Section 4).

The Public Health Acts Amendment Act, 1890.

The Public Health Acts Amendment Act, 1907, Section 46 of Part III., Sections 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 67 and 68 of Part IV., Sections 93, 94 and 95 of Part X., subject to the terms of the Order of the Local Government Board of the 8th April, 1911, and Sections 85 and 86 of Part VII.

#### CONVERSION OF PRIVIES.

The number of privies converted into water closets during the year under Section 36 of the Public Health Act, 1875, was 160. At the 1921 census the number of dwellings, including flats, hotels, institutions, etc., in the Borough was 10,004; adding to this the 277 houses since completed, and deducting 27 houses demolished, we get a total of 10,254. Of these, about 9,190 have water closet accommodation, and the remainder—about 1,064 in number—privy accommodation only. A certain number of the latter are condemned houses, but even deducting these, there are still about 1,000 uncondemned houses in the town having privy accommodation only. To these must be added an unknown number of privies existing on premises which have water closets also. Unrelaxed effort is needed if the last privy in the town is to be abolished at an early date.

## REPORT OF THE SANITARY INSPECTOR

TO THE

MEDICAL OFFICER OF HEALTH.

DETAILING THE WORK OF THE SANITARY INSPECTORS FOR THE YEAR 1924.

## COMPLAINTS.

366 complaints were received relating to various nuisances, and received attention.

1,104 notices have been served during the year, as compared with 1,094 in 1923, enumerated as follows:—

Choked Drains	...	...	...	...	...	...	57
Defective Drains	...	...	...	...	...	...	44
„ W.C.'s	...	...	...	...	...	...	31
„ Privies	...	...	...	...	...	...	35
Dirty W.C.'s (Workshops)	...	...	...	...	...	...	4
„ Workshops	...	...	...	...	...	...	7
„ Bakehouses	...	...	...	...	...	...	6
„ Premises	...	...	...	...	...	...	37
„ Passages	...	...	...	...	...	...	6
Defective Ventilating Shaft of Soilpipes	...	...	...	...	...	...	8
„ Slopstone and other Waste Pipes	...	...	...	...	...	...	17
„ Eavespouts and Fallspouts	...	...	...	...	...	...	68
„ House Roofs	...	...	...	...	...	...	41
„ House Floors	...	...	...	...	...	...	25
„ Slopstones	...	...	...	...	...	...	4
„ Ashpits	...	...	...	...	...	...	99
Dampness in Dwelling Houses	...	...	...	...	...	...	13
Dirty Slaughterhouses	...	...	...	...	...	...	3
„ Cowsheds	...	...	...	...	...	...	2
Smoke Nuisances	...	...	...	...	...	...	6
Accumulation of Manure and other Refuse	...	...	...	...	...	...	30
Animals so kept as to be a nuisance	...	...	...	...	...	...	17
Pigs so kept (breach of Bye-laws)	...	...	...	...	...	...	3
Want of sufficient Manure Pit (Bye-laws)	...	...	...	...	...	...	1
Defective Manure Pits	...	...	...	...	...	...	5
Miscellaneous	...	...	...	...	...	...	33
Privies for Conversion (Sec. 36)	...	...	...	...	...	...	114
Defective Yard Pavements (Scarborough Impt. Act)	...	...	...	...	...	...	130
„ Passage „ ( „ „ )	...	...	...	...	...	...	258
Total							1,104

35 Notices were not complied with at the end of the year.



## LEGAL PROCEEDINGS.

Proceedings were instituted in one instance for an accumulation of refuse and dirty state of premises, No. 4, Hall's Yard, Cross Street. The Magistrates made an order for the nuisance to be abated.

The following Table shows the number of Notices served for the abatement of nuisances during the 10 years 1915—1924.

Year.				No. of Notices.
1915	...	...	...	673
1916	...	...	...	514
1917	...	...	...	526
1918	...	...	...	391
1919	...	...	...	875
1920	...	...	...	1,349
1921	...	...	...	1,337
1922	...	...	...	1,069
1923	...	...	...	1,094
1924	...	...	...	1,104

## SINGLE PRIVATE DRAINS.

There were five written complaints made to the Local Authority regarding nuisances from single private drains belonging to two or more owners, which required abatement under Section 41 of the Public Health Act, 1875, and Section 19 of the Public Health (Amendment) Act, 1890.

## DRAIN TESTING.

286 Smoke Tests were applied to house drains. Of this number, 21, or 7%, were found defective.

## CONVERSION OF PRIVIES.

There were 160 privies converted into water closets during the year, as compared with 175 in the previous year.

## OFFENSIVE TRADES.

There are 8 offensive trades established within the Borough, as compared with 9 last year, detailed as follows :—

Tripe Dressers	...	...	4
Tallow Melters	...	...	2
Fat Extractors	...	...	1
Gut Scraper	...	...	1
Total ...			8

43 inspections were made. In 4 instances notices were served to cleanse and limewash the premises, and complied with.

#### FISH CURING HOUSES.

There were 12 Fish Curing Houses in use during 1924.

Frequent inspections were made, special attention being given to the frequent removal of fish gippings, also to the prevention of the stoppage of the drains. One notice was served to provide a proper screened approach to the W.C.'s. In all other respects they were maintained in a satisfactory condition.

#### COMMON LODGING HOUSES.

There are two Common Lodging Houses in the Borough, being the same number as last year. Frequent inspections were made. In one instance it was necessary to caution the keeper as to cleansing the bedding; otherwise, they were kept in a satisfactory condition. The returns made during the year show that 16,881 lodgers slept in these houses.

These figures represent the number of times the beds were occupied, and also include a number of weekly lodgers.

#### SLAUGHTERHOUSES.

There are 27 Slaughterhouses in the Borough. Of these, 24 belong to the Market Hall Company, being situated in two separate yards in Wrea Lane. Three are general or public Slaughterhouses, 21 being in private occupation. Of the remaining three, one is not at present in use. Frequent inspections have been made weekly, and in three instances notices were served—two for cleansing and limewashing, and one for the defective condition of the Slaughterhouse yard.

#### UNSOUND FOOD.

The following articles of food have been condemned and destroyed as unfit for human food:—

Description.	Weight.	
	st.	lbs.
15 Beasts (carcases) ... ..	701	10
4 Sheep „ ... ..	15	10
4 Pigs „ ... ..	37	0
Beef ... ..	72	11
Mutton ... ..	2	11
Veal ... ..	4	9
Pork ... ..	4	4
Offal ... ..	295	3
(includes offal of carcasses)		

Description							Weight.	
							st.	lbs.
Tripe	...	...	...	...	...	...	32	0
Corned Beef (10 tins)	...	...	...	...	...	...	4	4
6 Tins of Crab	...	...	...	...	...	...	—	—
/ 245 Tins of Lobster	...	...	...	...	...	...	—	—
6 „ „ Prawns	...	...	...	...	...	...	—	—
1 Tin of Salmon	...	...	...	...	...	...	—	—
4 Baskets of Strawberries	...	...	...	...	...	...	1	2
2 Tins „ „	...	...	...	...	...	...	—	—
2 „ „ Peaches	...	...	...	...	...	...	—	—
4 „ „ Pears	...	...	...	...	...	...	—	—
5 „ „ Apricots	...	...	...	...	...	...	—	—
3 „ „ Pineapple	...	...	...	...	...	...	—	—
1 „ „ Plums	...	...	...	...	...	...	—	—
1 „ „ Raspberries	...	...	...	...	...	...	—	—
2 „ „ Tomatoes	...	...	...	...	...	...	—	—
22 Sacks of Peas	...	...	...	...	...	...	62	0
17½ „ Potatoes	...	...	...	...	...	...	128	0
47 Tins of Condensed Milk	...	...	...	...	...	...	—	—

In 43 instances Magistrates' Orders were made, and in the remaining instances the articles were destroyed by the consent of the owners.



THE FOLLOWING TABLE SUMMARISES THE SEIZURES OF UNSOUND FOOD DURING THE  
PAST TEN YEARS.

Year.	No. of Seizures.	Beef.	Mutton and Lamb.	Pork.	Veal.	Tripe.	Rabbits.	Fish.	Fruit.	Vegetables.	Condensed Milk.	Poultry.	Miscellaneous
		lbs.	lbs.	lbs.	lbs.	lbs.		lbs.	lbs.				
1915	25	5067	968	388	...	...	...	5st. mussels.	...	36	...	...	20 st. flour.
1916	33	6923	177	34	279	..	...	48 bags whelks 85 st. whelks 9½ lb. prawns	85	...	..	...	15 st. wheat meal, 56 lbs. creampowder.
1917	17	3138	17	60	30	...	...	...	...	...	...	...	56 lbs. sugar. 3 cwt. 2 qrs. 26 lbs. butter beans.
1918	46	5687	145	785	...	...	11	2½ boxes kippers, 270 lbs. 11 bags whelks	...	..	..	...	2½ lbs. bacon. 86 lbs. cheese.
1919	112	528 st. 10 lbs.	66 st. 10lbs.	44 st. 8 lbs.	36 st. 121lbs.	...	...	4 bags oysters 92 tins lobster 16 boxes herrings 14½ pairs kippers	106 cases dates. 51 st. fruit. 60 lbs. currants.	15 hampers cauliflowers 12 st. horseradish	...	70 eggs	Bacon, 116 st. 12 lbs. Corned beef, 361 lbs. Corned mutton, 61 lbs.
1920	98	479 st. 2lbs.	206 st. 4 lbs.	...	...	Offal 21 st. 11 lbs.	...	125 st. 19 lbs. 3 boxes smoked haddocks	19 st. 7 lbs. 14 tins fruit.	...	251 tins	...	362 st. Butter. 111 lbs. chee e. 340lbs. oatmeal.
1921	70	394 st. 9 lbs. 26 tins corned beef.	24 st. 2 lbs.	...	17 st. 2 lbs. bacon.	...	7	...	32 st. pears. 5lbs. bananas. 15 tins apricots.	112 st. 10 hampers cauliflowers 19 tins tomatoes.	70 tins.	...	2 cases chocolates. 2 tins pineapple. 3 tins figs. 5 tins tongue. 3lbs. mixed fruit 24 lbs. corned
1922	81	452 st. 4lbs.	21 st. 3 lbs.	64 st. 3 lbs. 30lbs. Ham.	...	...	...	35 st. whelks 4 st. fish	assorted tongue, fish, milk, and fruit. 55 tins	...	..	...	24 lbs. corned
1923	79	513 st. 3 lbs. of Beef 38 lbs of Corn'd Beef (8 tins)	11 st. 7 lbs.	39 st. 4lbs. 1 tin (6 lbs.) corned pork	19 st. 13 lbs.	...	...	3 boxes of kippers 2 tins of salmon	107 cases of pears. 50 lbs. of tomatoes.	...	28 tins	...	13 tins soup 1 „ apples 6 „ peaches 1 „ apricots 5 „ pears 2 „ tomatoes 2 „ pine- apples 1 „ tongue
1924		774 st. 7 lbs. 60 lbs. of corned beef (10 tins)	19 st. 7 lbs.	42 st.	4 st. 9 lbs.	32 st. offal 295 st. 3 lbs. incl'd's offal of car- cases	...	<del>258 tins assorted</del> 6 tins of crab 245 tins of lobster 6 tins of prawns 1 tin of salmon	4 baskets of straw- berries 1 st. 2lbs.	228 sacks peas 62 st. 17½ sacks potatoes 128 st.	47 tins	...	2 tins peaches 2 „ strawberries 4 „ pears 5 „ apricots 3 „ pineapple 1 „ plums 1 „ raspberries 1 „ tomatoes

## SALE OF FOOD AND DRUGS ACT.

Seventy-two samples of Food and Drugs were submitted for analysis, as compared with 80 the previous year. Of this number, five were found to be adulterated. Proceedings were taken in one instance in a case of a sample of milk which contained 11.3 per cent of added water. A fine of 7/6, including costs, was imposed. One sample of cream contained 0.15 per cent. of Boric Acid. The seller was cautioned by the Town Clerk. In three other cases samples of pork sausages contained respectively 9.58%, 0.3%, and one five grains per pound (parts per 7,000).

The sellers were in each instance cautioned by the Town Clerk.

Three purveyors of milk were also cautioned by the Town Clerk for not having their name and address on their cans and vehicles.

Six informal samples were taken for bacteriological examination for T.B. In five samples no results were obtained, and the remaining sample was found not fit for examination when received by the Bacteriologist.

## SUMMARY OF ARTICLES PROCURED FOR ANALYSIS AND HOW DISPOSED OF DURING THE YEAR 1924.

Nature of Article	No. of samples taken.	Genuine.	Adulterated.	Proceedings taken.	Convictions.	Penalties imposed.
Milk .....	32	31	1	1	1	7/6 including costs.
Cream .....	1	...	1	...	...	
Presvd. Cream	5	5	...	...	...	
Condensed Milk	2	2	...	..	...	
Butter ... ..	8	8	...	...	...	Letters sent by Town Clerk cautioning vendors.
Margarine .....	1	1	...	...	...	
Sponge Cakes	2	2	...	...	...	
Coffee ... ..	3	3	...	...	...	
Cocoa .....	1	1	...	...	...	
Jam .....	2	2	...	...	...	
Lard .....	4	4	...	...	...	
Beef Sausages...	3	3	...	...	...	
Pork .....	3	...	3	...	...	
Baking Powder	2	2	..	...	...	
Whisky .....	1	1	..	...	...	
Rum.....	1	1	...	...	...	
Cheese.....	1	1	...	...	...	
Total .....	72	75	5	1	1	

## PUBLIC HEALTH (MILK AND CREAM) REGULATIONS, 1912-1917.

REPORT FOR THE YEAR ENDED 31ST DECEMBER, 1924.

1. Milk ; and Cream not sold as Preserved Cream.  
Milk. 32.  
Cream. 1.



## 2 Cream sold as Preserved Cream.

(a) Instances in which samples have been submitted for analysis to ascertain whether the statements on the label as to preservatives were correct.

(i) Correct statements made ... ..	5
(ii) Statements incorrect ... ..	0
(iii) Percentage of preservatives found in each sample.	Percentage stated on statutory label.
0.36 per cent.	Not exceeding 0.4 per cent.
0.23 „ „	0.4 „ „
0.13 „ „	0.4 „ „
0.18 „ „	0.4 „ „
0.37 „ „	0.4 „ „

(b) Determination of milk fat in cream sold as preserved cream :

(i) Above 35 per cent. ... ..	5
(ii) Below 35 per cent. ... ..	0

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V. (1) and the provisions in Article V. (2) of the Regulations have not been observed. In one instance one sample of cream contained boric acid not exceeding 0.15 per cent., no label being affixed according to the regulations.

## 3. Thickening Substances : None.

## FACTORY AND WORKSHOPS ACT, 1901.

Workshops on the Register (Section 131) at the end of the year :—

Bakehouses ... ..	41
Tailors, Dressmakers and Milliners ... ..	68
Joiners and Cabinet Makers ... ..	38
Laundries ... ..	7
Monumental Masons ... ..	4
Boot and Shoe Makers, and other Workers in Leather	36
Workers in Tin, Iron and Lead ... ..	63
Offensive Trades and Fish Curing Houses ... ..	21
Miscellaneous ... ..	31
Total ... ..	309



FACTORY AND WORKSHOPS ACT.

PREMISES.	NUMBER OF		
	Inspections.	Written Notices.	Prosecutions.
Factories.....	10	...	...
Workshops.....	415	25	...
Workplaces .....	20	7	...
Total.....	445	32	...

DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

PARTICULARS.	Found.	Remedied.	Referred to H.M. Inspector of Factories.	No. of Prosecutions.
Nuisances under the Public Health Acts:—				
Want of Cleanliness .....	15	15	...	...
Want of Ventilation .....	..	...	...	..
Overcrowding .....	..	..	...	...
Want of drainage of floor .....	...	...	...	...
Other Nuisances.....	10	10	...	...
Sanitary accommodation { Insufficient .....	1	1	...	..
{ Unsuitable or defective... ..	5	5	...	..
{ Not separate for sexes ... ..	1	1	..	...
Offences under the Factory and Workshops Acts.....				
Illegal occupation of underground bakehouses (Sec. 101).....	None	...	...	...
Breach of special sanitary requirements (Sec. 97-100).....	None	...	...	...
Other offences (excluding offences relating to out-work) .....	None	...	...	..
Total.....	32	32	..	...

## OTHER MATTERS.

PARTICULARS.	No
Matters notified to H M. Inspector of Factories :—	
Failure to affix abstract of the Factory and Workshops Act (Sec. 133, 1901) .....	5
Actions taken in matters referred by H.M. { Inspector as remediable under the Public Health Acts, {	Notified by H.M.I.F. .... 2
But not under the Factory and Workshops Acts { (Sec. 5, 1901). { Reports (of action taken) sent to H.M. Inspector .....	
Other .....	None
Underground bakehouses (Sec. 101) in use at end of year (including Factory Bakehouses) .....	6

# HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS, SECTION 107.										OUTWORK IN UNWHOLESOME PREMISES, (SEC. 108.)			OUTWORK IN INSPECTED PREMISES, (SEC. 109-110.)		
	Lists received from Employers.					Notices served on Occupiers as to keeping or sending lists.		Prosecutions.		Instances.	Notices served.	Prosecutions.	Orders made. (Sec. 110.)	Prosecutions. (Sec. 109-110.)		
	Sending twice in the year.		Sending once in the year.		Lists.	Outworkers.	Lists.	Con-trac-tors.	Work-men.						Failing to keep or permit inspection of lists.	Failing to send lists.
	Lists.	Con-trac-tors.	Work-men.	Outworkers.						Con-trac-tors.	Work-men.					
Wearing Apparel-making, &c., Cleaning and Washing...	10	5	36	6	6	8										
Household Linen.....																
Lace, Lace Curtains and Nets .....	2	1	3													
Curtains and Furniture Hangings .....																
Furniture and Upholstery .....																
Electro-Plate.....																
File Making .....																
Brass and Brass Articles .....																
Fur Pulling .....																
Cables and Chains .....																
Anchors and Grapnels.....																
Cart Gear .....																
Locks, Latches and Keys .....																
Umbrellas, &c.....																
Artificial Flowers .....																
Nets, other than wire nets .....																
Tents .....																
Sacks .....																
Racquet and Tennis Balls .....																
Paper, etc., Boxes, Paper Bags.. .																
Brush Making .....																
Pea Picking .....																
Feather Sorting .....																
Carding, &c., of Buttons, etc. ....																
Stuffed Toys .....																
Basket Making .....																
Chocolates and Sweetmeats .....																
Cosaques, Christmas Crackers, Christ- mas Stockings, &c. ....																
Textile Weaving ..																
Total.....	12	6	39	6	6	8										



## MANUFACTURE OF ICE CREAM.

There were 50 premises on which the manufacture and sale of Ice Cream was carried on during the year. All were inspected, special attention being made to ensure that the Regulations were complied with. Two were found to require cleansing and limewashing, and in one instance a gully trap was found to be inside the premises in which the manufacture of Ice Cream was carried on. Notices were served in each instance, and complied with.

## DAIRIES, COWSHEDS AND MILKSHOPS.

Number on register at end of year :—

Cowsheds	...	...	...	12
Wholesale Dealers	...	...	...	12
Milkshops	...	...	...	112

All the Cowsheds and Milkshops were regularly inspected, and were found to be kept in a satisfactory condition, except in the following instances :—

## COWSHEDS.

In a dirty state	...	...	2
Cesspool required cleansing	...	...	1
Other Sanitary defects	...	...	1
<hr/>			
Total	...	...	4
<hr/>			

Notices were served in each instance, and, on re-inspection, were found to have been complied with.

## MILKSHOPS.

In a dirty state	...	...	2
Opening of Drain in Dairy	...	...	1
Other Sanitary Defects	...	...	1

Notices were given in each instance, and the necessary steps were taken forthwith to comply with the same.

In a number of instances directions were given to keep the milk properly covered.

## RENT RESTRICTIONS ACT, 1920-1923.

Seven applications were received by the Local Authority under the above Act. Six inspections were made and five certificates granted; one was not granted, and one application was withdrawn, the owner undertaking to carry out the necessary repairs.

## RATS AND MICE DESTRUCTION ACT, 1919.

Twenty-eight complaints were received and 92 inspections were made to premises infested with rats. In a number of instances the drains were suspected and tested, and three were found to be defective, and were the cause of allowing rats to escape into the premises. In other cases by migration and infestation of premises mainly in which food was stored. In each case suitable methods were adopted and advice given as to the best means of ridding the premises of rats according to circumstances.

The following premises were found to be rat infested:—

Business Premises* ... ..	42
Private Dwelling Houses ... ..	31
Warehouses, Stables & Piggeries	18
Total ...	<u>91</u>

The piers around the Harbour, also the sewers, have received much attention, poison baits, etc., being frequently laid.

## INSPECTION OF SHIPPING.

The following is a summary of the work done in connection with the inspection of shipping:—

Inspections :				
Steamers—British	...	...	...	5
Foreign	...	...	...	2
Sailing Vessels—British	...	...	...	0
Foreign	...	...	...	2
Steam Trawlers—British	...	...	...	27
Foreign	...	...	...	0
Total ...				<u>36</u>

In four instances rats were found on board. One vessel was stoved with sulphur, and in the other three instances poison baits were employed. Two notices were served for dirty state of ship and bedding, and verbal notice was given in three instances, one for an accumulation of refuse on deck, one for dirty state of galley, and one for readjustment of latrine and removal of stores therefrom.

## DISINFECTION.

Cases removed to Sanatorium	...	118
Rooms disinfected	...	240
Beds	...	222
Pillows and Bolsters	...	459

Disinfection—*continued.*

Blankets	...	...	...	...	532
Sheets	...	...	...	...	291
Counterpanes	...	...	...	...	97
Rugs and Quilts	...	...	...	...	104
Carpets and Curtains	...	...	...	...	63
Towels	...	...	...	...	148
Eiderdowns	...	...	...	...	57
Personal Clothing	...	...	...	...	581
Sundries	...	...	...	...	760
Books	...	...	...	...	200
					<hr/> 3,754 <hr/>

Two Beds and two Bolsters were destroyed on request of the owners.

I am, Sir,

Yours faithfully,

GEORGE J. GREGORY,

*Sanitary Inspector.*

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### 8.—PUBLIC HEALTH STAFF.

Medical Officer of Health and School Medical Officer

S. FOX LINTON, M.D., M.SC., D.P.H.

Assistant Medical Officer of Health and Assistant School Medical

Officer ... C. J. W. TATHAM, O.B.E., M.R.C.S., D.P.H. (up to Sept. 8th).

Ditto (half-time)

ANNE M. ROXBURGH, M.B., CH.B., D.P.H. (from Oct. 7th).

Chief Sanitary Inspector ... G. J. GREGORY, CERTIF. R.S.I.

Assistant „ „ ... R. STEPHENSON, CERTIF. R.S.I.

Pupil „ „ (part-time) ... C. FOREMAN.

Clerk ... JOHN YEWDALL.

Health Visitor ... MISS ISABEL BEEFORTH, CERTIFIED MIDWIFE.

„ „ (half-time) ... MISS E. CHAMBERS.

Contributions are received from the Exchequer towards the salaries of the Medical Officer of Health and the Chief Sanitary Inspector.

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### 9.—HOUSING.

Although the number of houses built was much greater last year than in previous post-war years, very little has yet been done towards dealing with the insanitary areas in the Borough. The erection of the tenement houses



under the East Mount Improvement Scheme was begun during the year, and has since made good progress, and 27 unfit houses in the older part of the town have been demolished. An area of nearly  $4\frac{1}{2}$  acres in extent, including Cross Street and Dumble Street, was officially represented to the Council as an unhealthy area in January, 1924. No effective progress has been made towards dealing with this area.

#### HOUSING STATISTICS FOR 1924.

Number of houses erected during the year :—

(a) Total	...	...	...	...	...	...	182
(b) As part of a Municipal Housing Scheme	...	...	...	...	...	...	55

#### 1.—UNFIT DWELLING HOUSES.

Inspection—(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	...	...	...	575
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	...	...	...	...	...	...	0
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	...	...	0
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	...	...	...	...	...	...	74

#### 2.—REMEDY FOR DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	...	...	...	...	...	...	241
---	-----	-----	-----	-----	-----	-----	-----

#### 3.—ACTION UNDER STATUTORY POWERS.

##### A.—Proceedings under Section 28 of the Housing, Town Planning, &c., Act, 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	...	...	...	...	...	...	0
(2) Number of dwelling-houses which were rendered fit :—							
(a) By owners	...	...	...	...	...	...	0
(b) By Local Authority in default of owners	...	...	...	...	...	...	0
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	...	...	...	...	...	...	0

## B.—Proceedings under Public Health Acts.

- |   |     |
|---|-----|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... .. | 489 |
| (2) Number of dwelling-houses in which defects were remedied :—   |     |
| (a) By owners ... ..  | 475 |
| (b) By Local Authority in default of owners ...   | 0   |

## C.—Proceedings under Sections 17 and 18 of the Housing, Town Planning, &amp;c., Act, 1909.

- |   |   |
|---|---|
| (1) Number of representations made with a view to the making of Closing Orders ... ..   | 0 |
| (2) Number of dwelling-houses in respect of which Closing Orders were made ... ..   | 0 |
| (3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit ... .. | 0 |
| (4) Number of dwelling-houses in respect of which Demolition Orders were made ... ..  | 0 |
| (5) Number of dwelling-houses demolished in pursuance of Demolition Orders ... ..   | 0 |

In addition to the above, certificates under the Rent Restrictions Act were given in respect of 7 houses.

BOROUGH OF SCARBOROUGH.

METEOROLOGICAL OBSERVER'S ANNUAL REPORT FOR THE YEAR ENDING 31ST DECEMBER, 1924.

MONTH.	Total Rainfall (inches).	No. of Rainy Days.	Greatest Fall in any one day (inches)	Total Sunshine (hours).	Average per day.	Length of day (hours). (Possible Sunshine).	Average Barometer (inches).	Dry Bulb.	Wet Bulb.	Maximum (Screen).	Minimum (Screen).	Solar Maximum (in open).	Grass Minimum (Terrestrial Radiation).	Earth (3 feet).	Mean Temperature (for month).	Daily Variation.	Average Daily Cloud.	Average Wind Force.	Percentage of Saturation.	Force of Elastic Vapour.	Visibility.
January .....	1.95	14	0.64	40.3	1.30	7.90	29.93	40.5	39.4	44	33	52	34	39.6	38.5	11.0	6	2	90	7.8	II
February.....	1.09	15	0.17	42.6	1.47	9.64	30.010	40.8	38.1	44	36	66	32	40.6	40.0	8.0	7	3	85	7.2	I
March .....	1.40	10	0.41	136.5	4.40	11.77	29.757	40.0	36.5	47	34	85	26	41.8	40.5	13.0	5	2	85	7.1	J
April .....	1.32	10	0.31	161.8	5.4	13.98	30.038	46.5	43.5	52	41	91	36	43.8	46.0	11.0	5	2	83	8.6	K
May.....	3.77	20	0.50	137.1	4.42	14.03	29.847	52.2	48.6	55	42	102	42	49.0	48.5	13.0	7	2	78	10.4	I
June.....	1.10	9	0.30	155.9	5.2	15.94	29.985	56.0	53.6	64	50	110	47	54.4	57.0	14.0	6	2	76	12.4	L
July.....	3.48	20	0.65	173.9	5.6	16.54	29.837	61.2	56.8	67	53	109	49	59.0	60.0	14.0	6	2	74	13.7	J
August .....	1.70	15	0.33	130.7	4.22	14.82	29.757	60.0	56.4	61	52	110	46	58.1	56.5	9.0	7	2	80	13.8	J
September .....	1.94	17	0.41	126.1	4.20	12.69	29.577	58.0	55.0	63	51	106	44	56.8	57.0	12.0	6	2	83	12.4	J
October .....	3.60	17	0.64	98.0	3.16	10.50	29.885	52.2	50.0	56	47	85	42	52.6	51.5	9.0	7	2	91	11.5	J
November .....	1.40	10	0.23	45.8	1.53	8.49	30.069	46.4	44.8	46	38	75	39	46.6	42.0	8.0	7	2	89	8.9	J
December ..	2.81	15	0.42	20.5	0.07	7.34	29.789	44.6	43.8	48	41	57	36	46.1	44.5	7.0	6	2	94	10.0	I
Total for the Year ...	25.56	172	...	1272.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Monthly Average for the Year .....	2.13	14	...	106.2	3.5	11.98	29.874	49.9	47.2	53.9	43.1	87	39	40.8	48.5	10.8	6	2	84	10.4	J
Average for 35 Yrs.	25.86	190	...	1463.3	4.0	...	...	...	...	53.6	42.5	...	...	...	48.1	11.1	...	...	...	...	...
Average for 1923 ...	24.12	180	...	1405.2	3.9	...	29.835	49.2	46.2	51.5	43.0	90	...	...	47.4	11.0	6	2	80	10.0	...



Scarborough is situated on the coast of Yorkshire in longitude 0.24 deg. W. and latitude 54.17 deg. N. The old town and harbour nestle on the south side of the Castle Hill and on the isthmus which joins this to the mainland. The modern town lies 100—200 feet above the level of the sea. On its landward side, from north by west round to south-east, the town is sheltered by masses of high land, culminating in a long range of hills in the form of a horseshoe, with its ends at Flamborough Head and the north cheek of Robin Hood's Bay. This ridge consists of the North York Moors to the north, the Hambleton Hills and Howardian Hills to the west, and the Yorkshire Wolds to the south. It has a sweep of about 100 miles, and is continuous except where the gorge of the river Derwent pierces its south-western portion. The protection from cold land winds which it affords to Scarborough, lying midway between its two ends, has a noticeable effect, in combination with the steadying action of the sea, upon the climate of the town and surrounding districts, raising the mean annual temperature and, at the same time, reducing the seasonal and diurnal ranges of temperature.

#### OBSERVER'S NOTES.

SUNSHINE.—The sunshine normals for 35 years refer to the duration of bright sunshine as by the Campbell-Stokes recorder. In most favourable circumstances sunshine can be recorded when the sun is 3 deg. above the horizon—*i.e.*, 20 minutes after sunrise, or 20 minutes before sunset; but this implies a very clear atmosphere. In general, for half-an-hour at either end of a fine day there is no trace of a burn on the sunshine card, so that the effective length of the "possible" duration of "bright sunshine" is normally about an hour less than the "length of day" given in the above table. The "length of day" has been computed in the above table in accordance with the principle that the duration of "the day" is as beginning and ending when the centre of the sun is apparently on the horizon, due allowance being made for refraction. In estimating "the possible" with which the duration has been compared, the correction for refraction is ignored, and the time when the upper edge of the sun has passed the horizon was utilised. The new "length of day" averages 12.2 hours, whereas the old "possible" averaged 12.1 hours. It will be noticed in the table that Scarborough has nearly the average amount of sunshine last year. The sunshine recorder is situated on the top of the Fire Station Tower.

RAINFALL.—A 5-in. Gauge is used, the rim of which is 13-in. off the ground. It is situated about 50 feet from the Town Hall on the south side of that building.

VISIBILITY.—The increasing importance of these additional observations, undertaken at the request of the Air Ministry, will be realised in these days of aviation.

D. QUAIFE,

*Meteorological Observer.*

*January, 1925.*





